METHOD AND APPARATUS FOR PROVIDING LOCAL DATA PERSISTENCE FOR WEB APPLICATIONS

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BACKGROUND OF THE INVENTION

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1. Field of the Invention

This invention relates to a method and apparatus for providing local data persistence for Web applications.

2. Description of the Related Art

Applications based upon markup languages such as HTML (Hypertext Markup Language) are notoriously well known in the art. In a typical configuration, a user at a client node accesses an HTML document at a server node by having an HTML client application at the client node issue a request to an HTML server application at the server node. Upon receiving such a request, the HTML server at the server node retrieves the requested document and transmits it to the HTML client at the client node. Typically, the client application is a Web browser on the user's personal workstation, while the server application is a Web server at a distant node. Typically, too, the client and the server communicate with each other over a network such as the Internet using a communication protocol such as Transmission Control Protocol/Internet Protocol (TCP/IP). In addition to containing text or graphics for display, an HTML document may contain areas for entry of data by the user, ultimately to be processed on either the client or the server.

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A Web application (i.e., an HTML page containing functionality for user data entry) containing potentially secure information needs data persistence to avoid losing the user's data between invocations. One current industry solution for retaining data is JavaScript "cookies", defined in *Teach Yourself Java Script in a Week* (copyright 1996 by Sam.net Publishing) as "a method of storing information locally in the browser and sending it to the server whenever the appropriate pages are requested by the user". Cookies, however, have significant limitations for Web applications that must store data on the client side. Cookies are limited in size (4096 bytes) and the number of entries per domain (20 per cookie file). Also, cookies are not secure because other sites access the same cookie file.

A typical industry solution to storing potentially large amounts of potentially secure data is to use a Common Gateway Interface (CGI) on the server and store the data on a database maintained by the server. This has limitations and complications. The Web site administrator must maintain a list of usernames and passwords to provide security to the individual files. If Secure Sockets Layer (SSL) is not implemented, this is not a very secure method because the data must be transported across the Web while not encrypted.

Another approach (for Microsoft Internet Explorer only) has been a behavior called "userData". This is a function that can save the data in a proprietary format on the computer for retrieval at a later date. However, this solution has several pitfalls. The data is no longer portable, since if the user saves a page on his or her work computer, he or she cannot transport this data to a home computer for later retrieval. Also, this approach is limited to use with the Microsoft Internet Explorer 5.x Web browser, and cannot be used with other browsers such as Netscape Navigator.

SUMMARY OF THE INVENTION

The present invention provides a method for preserving program state data across invocations of a Web browser without the use of cookies, and with the additional benefit of giving users direct control over the disposition of their data.

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In accordance with the invention, a Web application dynamically creates a new Web page containing a script function that, when loaded, restores all of the current data to the application. The dynamically created page is then saved locally by the user, using the standard File/Save As function of the client application. Upon return to the Web application, the user is prompted for the location of the saved file. When that location is entered, the page is automatically loaded, the script function run, and the application is returned to the state in which it was left.

As is well known to those skilled in the art, scripting languages such as JavaScript are interpreted language that is used to generate scripts in HTML files that are delimited by <SCRIPT> and </SCRIPT> tags. When an HTML browser encounters such a script in an HTML document that it is processing, the browser executes the statements contained in the script. The present invention uses script functions in the HTML documents making up a Web application to perform the desired operations of saving, restoring and the like.

More particularly, after a user completes a portion or all of the tasks in task panels, he or she can then choose to save the data to a location accessible from the workstation (e.g., a diskette, a zip disk, local hard drive, or a network drive). The data is saved in a file that is generated using the JavaScript interpreter function of the browser. The saved file is an HTML file containing a JavaScript restoration function and the field values the user entered, which are embedded in the script commands. The file is saved using a method similar to that for saving a file in an ordinary client application. The user utilizes the Web browser's ability to perform a "Save As" operation. This saves the dynamically created HTML file. Upon reentry into the tool at some later date the user is prompted for this file. If it exists the user may load the data from the saved file into the tool. This file may be transported via any normal file transfer method (e.g., a diskette, File Transfer Protocol (FTP), etc.) and used at other workstations using the supported browser and having a connection to the Internet Web server that holds the application.

All data gathered stays on the client running the Web browser unless the user explicitly

creates the data file and moves it via methods mentioned above. The user has complete control over where their data resides and what is done with it.

The present invention avoids the limitations of the prior art discussed above. The problem of data persistence is solved by saving the data locally. The 4096-byte size limit of cookies is eliminated; the only practical size limit is the memory limit for script functions such as JavaScript (which is almost limitless). The security issues are solved because the user has full control over the location of the data; the user may put it on a removable disk and store it in a secure location (such as a locked desk) if he or she wants. No other Web page has any access to local files, so the security fears of cookies are eliminated. There is no limit on the number of files that a user can save from a particular domain; the user can save as many different files as he or she chooses to and use them on another computer if desired.

Another advantage of the present invention is that to run the Web application, one need not depend on constant or speedy access to the Web. Since the present invention is not in any way tied to the server, it can be used in a disconnected mode from the Web server, and the whole package can be zipped up, downloaded and run locally on any computer by simply pointing a browser at it. Basically, this allows the whole of the application to reside on a disk which is locally accessible to the workstation, and the user can still save the data into the data file. That is to say, the application might reside on a CD and the user may use a laptop to run the tool. All on-line security or performance concerns are instantly eliminated because of this. To the knowledge of the inventors, this functionality has not been previously possible without actually installing an application on the client.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows a connected network configuration in which the present invention may be used.

Fig. 2 shows a disconnected "island" configuration in which the present invention may be used.

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Fig. 3 shows a data entry window that is displayed in one embodiment of the present invention..

Fig. 4 shows a "save" window that is displayed when the user actuates the save button of the data entry window shown in Fig. 3.

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Fig. 5 shows a "load" window that is displayed when the user actuates the load button of the data entry window shown in Fig. 3.

Fig. 6 shows the structure of the source version of the data entry window shown in Fig. 3.

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Fig. 7 shows the structure of the source version of the save window shown in Fig. 4.

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Fig. 8 shows the structure of the source version of the load window shown in Fig. 5.

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Fig. 9 shows the interrelationship among the various documents collectively making up the Web application of the present invention.

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DESCRIPTION OF THE PREFERRED EMBODIMENT

Fig. 1 shows one embodiment of the present invention in a network or connected configuration. As shown in the figure, a client/server system 100 comprises a client node 102 coupled to a server node 104 via a network connection 106.

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Client node 102 may comprise any suitable personal workstation, such as an Intel-architecture machine running a version of the Microsoft Windows operating system (not separately shown); however, the platform choice is not critical. Executing on client node 102 is an HTML client 108 of any suitable type, such as Netscape Navigator or Microsoft Internet Explorer Web browser. Client node 102 also contains persistent storage for storing client data (in this instance, client-managed pages) 110 in a manner to be described.

Similarly, server node 104 may comprise any suitable server system, such as an IBM or Sun Microsystems server, running any suitable operating system (not separately shown) such as Linux or some other version of the UNIX operating system. Executing on server node 104 is an HTML server 112 of any suitable type, such as the Apache Web server or the like. Server node 104 stores server data 114 comprising one or more Web pages thereon, comprising text or graphics, embedded applications, and the like.

Network connection 106 may comprise a public network such as the Internet, a private network such as a corporate intranet, or a network combining certain aspects of public and private networks, such as a virtual private network (VPN). The network connection 106 may be implemented in any suitable manner, such as a dialup connection, a local area network (LAN) connected to a wide area network (WAN) via a gateway, or the like.

In a manner well known in the art, as described in such publications as L. Aronson and J. Lowery, HTML 3.2 Manual of Style (1997), at pages 1-7, a user at the client node 102 accesses a Web page at the server node 104 by having the HTML client 108 issue a request over the network connection 106 containing the Internet address of the server node 104 and the directory location of the page being requested. Upon receiving such a request over the network connection 106, the HTML server 112 at server node 104 retrieves the requested page and forwards it to the HTML client at client node 102.

In the system 100 shown in Fig. 1, the HTML client 108 and the HTML server 112 reside at different nodes. While this is the customary configuration, it is not the only possible configuration. For example, one may dispense with the server node 104 and manage all data, including Web pages ordinarily stored at the server node, as client data 110 in a disconnected "island" configuration 200 as shown in Fig. 2.

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A Web application that implements this invention would typically function as follows. When a user wants to save data for a current session with the application, he or she clicks a "Save" button. The application dynamically creates a new file. This file contains a JavaScript function that is loaded whenever the user returns to the browser session. Once this page is created, the user is prompted to save the page locally. The user must manually perform this step because JavaScript itself is restricted from directly accessing the user's hard drive.

On returning to the application, the user is prompted for the location of the saved file. The user enters the location, and the application loads the file and runs its function. The application resumes at the state in which the user left it, with all previous data and at the same point in the process.

Fig. 3 shows a data entry 300 window that is displayed to the user of the HTML client 108 in one embodiment of the present invention. Data entry window 300 comprises a header frame 300a and a base frame 300b. Header 302a is a persistent frame that is used while a session is active to hold (but not display) data that is entered by the user. Base frame 302b is the frame where the data is gathered from the user and where all output is displayed. The user traverses the Web pages within the application 900 using this frame.

As shown in the figure, the base frame 300b of data entry window 300 contains a data entry area 302 as well as a "save" button 304, a "load" button 306 and a "build" button 308. The user navigates to various lines of the data entry area 302 to enter data (in this case, sysplex configuration data). When the user wants to save previously entered data, he or she actuates the save button 304 (as by clicking on it with a mouse), resulting in the display of a "save" window 400 shown in Fig. 4. Similarly, if the user wants to load previously saved data, he or she actuates the load button 306, resulting in the display of a "load" window 500 shown in Fig. 5. Finally, when the user has finished entering data, he or she may actuate a "build" button 308 to have the data processed by the Web application.

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Fig. 4 shows the save window 400 that is displayed when the user actuates the save button 304 in the data entry window 300. Save window 400 contains a text message 402 that prompts the user to save the previously entered data locally, such as by selecting "File" on the toolbar 404, then selecting "Save As" on the drop-down menu that then appears, and entering the requested filename and path information. The "Save As" function is a standard function of HTML clients 108 such as Netscape Navigator and Microsoft Internet Explorer and therefore will not be described further in this specification.

Fig. 5 shows the load window 500 that is displayed when the user actuates the load button 306 in the data entry window 300. Load window 500 displays a text message 502 requesting the user to enter the name of the saved file in an area 504, possibly with the assistance of a "browse" button 506 if the user does not remember the filename or if it is stored in a different directory. The user then clicks on a "Reload Previous Data" link 508 to reload the previously saved data.

Fig. 9 shows the interrelationship among the various documents collectively making up the Web application 900 of the present invention. These include a frameset document 902, a header document 904, a base frame document 906, and a load document 908. Each of these documents is a separate HTML file. Frameset document 902 contains a head 910 that contains a script portion 912 and a body 914 that contains a first frame portion 916 and a second frame portion 918. Frame portions 916 and 918 define the boundaries of the displayed frames 300a and 300b of data entry window and contain references 920 and 922 to header file 904 and to base frame file 906, respectively, which contain the actual content of the frames. In addition to generating the display of the header 300a, header file 904 holds all the application data that is entered by the user in a form named "holddata" and in various arrays. Header file 904 only holds this data while the Web application is open and the user is interacting with it; for persistent storage of user data, the method of the present invention is used.

Fig. 6 shows the general structure of the base frame document 906 that is displayed as the base frame 300b of the data entry window 300. As shown in the figure, the base frame document 906 comprises a script portion 602 and a form portion 604. Script portion 602 in turn contains a

JavaScript function 606 for opening the load window 500. Form portion 604 contains, among other elements for eliciting user data, a build button portion 608 from which build button 308 is generated, a load button portion 610 from which load button 306 is generated, and a save button portion 612 from which save button 304 is generated. JavaScript function 606 is invoked when the user actuates the load button 306, as indicated by the line 614. In a similar manner, the JavaScript function in the frameset document 902 for saving user data is invoked when the user actuates the save button 306, as indicated by the line 616.

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Fig. 7 shows the general structure of the HTML source file 700 (alternatively, the "save" file or the "save" page) that is displayed as the save window 400. In contrast to the preexisting documents 902-908 that make up the Web application 900, save file 700 is dynamically generated by the script function 912 in the head portion 910 of frameset document 902 when the user actuates the save button 304 in the data entry window 300. As shown in the figure, the source file 700 contains a form portion 702 that contains a table portion 704 and a script portion 706. Table portion 704 contains an HTML encoding of the displayed text message 402, while script portion 706 contains a script function for restoring the saved data to the data entry page 300. Script portion 706 is invoked when the file 700 is loaded from the client data area 110 on user actuation of the load link 508.

Fig. 8 shows the general structure of the load page 908 that is displayed as the load window 500. As shown in the figure, load page 908 contains a form portion 802 that generates the displayed elements 502-508 and a script portion 804 that opens the save file 700 containing the locally saved user data in response to user actuation of the reload link 508 in load window 500.

Appendix A shows the JavaScript function saveToDisk() that is invoked when the user actuates the save button 304 in window 300. This function, which the resides in script portion 912 of frameset document 902, dynamically creates the save file 700 (Fig. 7), which is saved by the user locally (e.g., to disk) as an HTML file in user data 110. More particularly, as shown in this listing, the function saveToDisk() opens a new window (line 4), writes individual lines of data from the header document 904 to the HTML file 700 defining the window (lines 6-48), and then

closes the data stream to allow the newly generated window to be displayed as window 400 (line 49). Upon being reopened, this HTML file 700 repopulates the header document 904 of the Web application 900 with previously entered data, thus providing multi-session data persistence for a client-side Web application.

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In Appendix A, the terms listed below have the following meaning:

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'arrayList[]': An array in the header file 904 that contains the names of all other arrays in the file. This provides a way to add more arrays in the application without modifying this function to look for each individual array.

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'url': Page currently on when this function is called (xxxxx.html). This provides a way to renter the application at the point of saving.

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[2]

'toolDescription': One-line text description of tool ("My Web Application")

Appendix B is a listing of other JavaScript functions in the script portion 912 of the frameset document 902. Lines 51-55 of this listing contain the JavaScript function set(field,newdata), which repopulates fields of the header document 904 with new data from the save document 700 when the save document 700 is loaded. This function is invoked by the JavaScript function saveFields() in the save document 700 through its statements of the form opener.parent.set(. . .), shown as lines 339-477 in Appendix D. Lines 60-66 of this listing contain the JavaScript function get(name), which retrieves the value of the field whose name is supplied as an input.

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Appendix C is an HTML source listing of the base frame document 906 shown in Figs. 6 and 9. Lines 79-42 of this listing (delimited by the tags <SCRIPT . . .> and </SCRIPT>) contain script portion 602, which in turn contains the script function 606, loadFromDisk(), for opening load document 908 (lines 117-123). Lines 150-262 of this listing contain form portion 604 (delimited by the tags <FORM . . .> and </FORM>), which in turn contains build button portion 608 (line 254), load button portion 610 and save button portion 612 (line 256).

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As noted above, and as indicated by the onClick="loadFromDisk();" attribute in line 256, actuation of the load button invokes the JavaScript function loadFromDisk() on lines 117-123. On the other hand, as indicated by the onClick=parent.saveToDisk("interviews/ps_topics.html") attribute in line 256, actuation of the save button invokes the JavaScript function saveToDisk() that is contained in the script portion 912 of the frameset document 902 and is reproduced in Appendix A.

Appendix D is an HTML source listing of the save file 700 shown in Fig. 7. Lines 521-526 of this listing (delimited by the tags <FORM . . .> and </FORM>) contain the form portion 702 Form portion 702 contains the table portion 704 (lines 303-332) for generating the displayed text message, as well as the script portion 706 (lines 336-496) delimited by the tags <SCRIPT . . .> and </SCRIPT> for restoring the saved data to the data entry page 300. Script portion 706 contains the script function saveFields() (lines 338-493), which is invoked when the page is loaded, as indicated by the onLoad="saveFields" attribute in line 301. On being invoked, the script function saveFields() repopulates header document 904, corresponding to the header portion 300a of the data entry page 300, with the previously saved data. As can be seen from scanning the lines of the function saveFields(), the data to be restored is embedded in the script function itself as the second argument of the various lines.

Appendix E is an HTML source listing of the load document 908 shown in Figs. 8 and 9. Lines 521-526 of this listing (delimited by the tags <FORM . . .> and </FORM>) contain the form portion 802 for generating displayed elements 502-508. Lines 511-516 of this listing (delimited by the tags <SCRIPT> and </SCRIPT>) contain the script portion 804 for opening the saved page 400. The JavaScript function setlink() (lines 512-515) contained in script portion 804 is invoked when the user clicks on the reload link 508 (line 525), as indicated by the onClick=setlink() attribute in line 522.

Appendix F is an HTML listing for the header document 904 shown in Fig. 9.

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While a particular embodiment has been shown and described, various modifications will be apparent to those skilled in the art. Thus, while the Web documents generated in the preferred embodiment use the HTML markup language, the invention is not restricted to any particular markup language. Also, while the Web documents generated in the preferred embodiment use JavaScript functions to provide the desired functionality, other scripting languages supported by the Web browser could be used instead.

```
2
              function saveToDisk(url) {
 5
        3
        4
              var xdist = screen.availWidth - 643:
        5
              remote =
              window.open('',"saveWin","WIDTH=631,HEIGHT=350,screeny=0,screenx=" +
              xdist + ",resizable=0,menubar=1,status=0,scrollbars=0");
10
        6
              remote.opener.name = "opener":
        7
              remote.document.write('<HTML>\n<HEAD>\n');
        8
              remote.document.write('<SCRIPT LANGUAGE="JavaScript1.2">\n');
        9
              remote.document.write('function saveFields(){\n');
        10
              remote.document.write('}\n </SCR' + 'IPT>\n');
15
        11
              remote.document.write('\n</HEAD>\n');
        12
              remote.document.write('<BODY onLoad="saveFields()" onBlur="var timerID =</pre>
              setTimeout(\'window.close()\', 20000)">\n<FORM NAME="restore">\n');
        13
              remote.document.write('<TABLE BORDER="0" WIDTH="560">\n');
        14
              remote.document.write('<TR>\n<TD>\n');
   20
        15
              remote.document.write('<TAbLE BORDER="0" WIDTH="100%">\n<TR
              BGCOLOR="#c8d8f8">\n<TD>\n<FONT SIZE="2" FACE="Arial, helv">\n');
   M
        16
              remote.document.write('<B>' + toolDescription + ': Save & Restore
   m
              Data</B>\n</FONT>\n</TD>\n</TR>\n</TABLE>\n</TD>\n</TR>\n');
   IJ
   17
              remote.document.write('<TR><TD><P>\n This document contains the
25
              information you have entered into the ' + toolDescription + '.');
        18
              remote.document.write('</P></TD></TR>\n');
   U
        19
              remote.document.write('<TR><TD><TABLE WIDTH="100%" BORDER="0">\n<TR>'):
   ñ:
   20
              remote.document.write('<TD VALIGN=Top><FONT COLOR="blue"><STRONG>To Save
   Ø
              Your Data:</STRONG></FONT>\n <OL>');
30 W
        21
              remote.document.write('<LI>Select <STRONG>File</STRONG> and then
   į.
              <STRONG>Save as...</STRONG> from the menubar at the top of this
   Ç
              window.</LI>\n'):
   22
              remote.document.write('<LI>In the Save As... dialog box. choose a name
              and directory location for the configuration data file and click the
35
              Save button.</LI>\n');
        23
              remote.document.write('<LI>Close this
              Window.</LI>\n</OL></TD>\n</TR>\n'):
        24
              remote.document.write('<TR><TD><HR NOSHADE COLOR="#CCCCCC">Once you have
              saved your data, you can quit the ' + toolDescription + ' and return to
40
              it later. ');
        25
              remote.document.write('When you return, you will be given instructions
              to load the saved file and resume your work.</TD></TR>')
        26
              remote.document.write('</TABLE></TD></TR>\n');
        27
              remote.document.write('<TR>\n<TD WIDTH="100%" HEIGHT="40">\n');
45
        28
              remote.document.write('<TABLE BORDER="0" CELLPADDING="0" CELLSPACING="3"
              WIDTH="100%">\n<TR><TD COLSPAN="6" WIDTH="100%"><HR NOSHADE
              COLOR="#CCCCCC"></TD></TR>\n');
        29
              remote.document.write('</TABLE>\n</TD></TR></TABLE>\n'):
```

Appendix A: Function saveToDisk() in Frameset Document

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```
30
           remote.document.write('<A NAME="loading"><HR></A><BR><FONT
      31
5
           SIZE=5><STRONG>Loading Data...</STRONG></FONT>\n');
      32
           33
           remote.document.write('<SCRIPT LANGUAGE="JavaScript1.2"&GT;\n');
10
      34
           remote.document.write('function saveFields(){\n');
      35
           for (var i = 0; i < get("holddatalength"); i++) {
      36
             remote.document.write("opener.parent.set('" + elemname(i) + "','" +
           get(elemname(i)) + "');\n");
      37
             }
15
      38
           remote.document.write('\n');
      39
           remote.document.write('<SCRIPT LANGUAGE="JavaScript1.2">\n');
      40
           for (i = 0; i < header.arrayList.length; i++) {</pre>
      41
           remote.document.write('var ' + header.arrayList[i] + ' = ');
      42
           remote.document.write('opener.header.' + header.arrayList[i] + '\n');
20
      43
           remote.document.write('document.write("opener.parent.header.' +
  : []
           header.arrayList[i] + ' = " + ' + header.arrayList[i] + ' + ";\\n");');
  m
      44
           }//end for
  U
      45
           remote.document.write('\n </SCR' + 'IPT>\n');
  IL
  46
           remote.document.write('var timeID =
25 页
           setTimeout("opener.document.location.reload(); window.close()".
  M
           1500)\n'):
      47
           remote.document.write('}');
  48
            remote.document.write('\n </SCRIPT&GT;\n');
  Ü
      49
            remote.document.write('</FORM></BODY>\n</HTML>');
  50
            remote.document.close():
      51
            }
```

```
Copyright © 1999 IBM Corporation
       52
              function set(field,newdata)
5
       53
       54
               doSet = "header.document.holddata." + field + ".value = " + '""' + " +
              '" + newdata + "':";
       55
                eval(doSet);
       56
              }
10
       57
              // get receives one input and returns one value.
       58
              // The input is the name of the field whose value is to be returned.
       59
              // This function reads text from the fields of the HOLDDATA form and
              returns it
       60
              // to the calling program.
15
       61
              function get(name)
       62
               { if (name == "holddatalength") {return
              header.document.holddata.length}
       63
                 else { doGet = "ret = header.document.holddata." + name + ".value";
        64
                 eval(doGet);
20
        65
                 return ret
        66
   m
                 }
   IJ
        67
               }
   U
   9:
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```

Appendix B: Other Functions in Frameset Document

```
Copyright © 1999 IBM Corporation
       68
              <BASE HREF="http://www.s390.ibm.com/pso/psotool/interviews/">
 5
       69
              <!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML//EN">
       70
              <HTML>
       71
              <HEAD>
       72
                <META HTTP-EQUIV="Content-Type" CONTENT="text/html;</pre>
              charset=iso-8859-1">
10
        73
                <META NAME="owner"
                                        CONTENT="gdunlap@us.ibm.com">
        74
                <META NAME="keywords"
                                        CONTENT="S/390 IBM System/390 OS/390 parallel
              sysplex configuration setup interactive">
        75
                <META NAME="abstract"
                                        CONTENT="This web-based tool helps S/390
              customers migrate to a Parallel Sysplex environment.">
15
        76
                <META NAME="author"
                                        CONTENT="gcorbin@us.ibm.com">
        77
                                        CONTENT="gcorbin@us.ibm.com">
                <META NAME="contact"
        78
                <META NAME="review"
                                        CONTENT="19991231">
        79
                <META NAME="security"</pre>
                                        CONTENT="public">
        80
                <SCRIPT language="JavaScript1.1">
20
        81
   Û
        82
                  // basic configuration status flags
  m
        83
                  naming_status = parent.get("naming_status");
  M
        84
                  naming_valid = "valid";
  IJ
        85
                  if ((parent.get("names1_valid") ==
   25 ந
              "invalid")||(parent.get("names2_valid") == "invalid")) {naming_valid =
              "invalid"}
  J
        86
  Ξį
  87
                  sw_status = parent.get("sw_status");
   Ф
        88
                  sw_valid = parent.get("sw1_valid");
30 W
        89
   [aA
        90
                  hw_status = parent.get("hw_status");
   91
                  hw_valid = "valid":
        92
                  if ((parent.get("hw3_valid") == "invalid")||(parent.get("hw5 valid")
              == "invalid")) {hw_valid = "invalid"}
        93
35
        94
                  strl_status = parent.get("strl_status");
        95
                  strl_valid = parent.get("strl_valid");
        96
        97
                  cds_status = parent.get("cds_status");
40
        98
                  cds_valid = "valid";
        99
                  if ((parent.get("cds1_valid") ==
              "invalid")||(parent.get("cds_sfm_valid") ==
              "invalid")||(parent.get("cds_arm_valid") ==
              "invalid")||(parent.get("cds_wlm_valid") ==
45
              "invalid")||(parent.get("cds_logr_valid") == "invalid"))
        100
                     {cds_valid = "invalid"}
        101
```

Appendix C: Source Version of Interviews Page

```
102
                 sfm_status = parent.get("sfm_status");
       103
                 sfm_valid = "valid";
       104
                 jes2_status = parent.get("jes2_status");
       105
                 jes2_valid = parent.get("jes2_valid");
5
       106
                  racf_status = parent.get("racf_status");
       107
                  racf_valid = "valid";
       108
                  tape_status = parent.get("tape_status");
       109
                  tape_valid = "valid";
       110
                  ecs_status = parent.get("ecs_status");
10
       111
                  ecs_valid = "valid";
       112
                  logrec_status = parent.get("logrec_status");
       113
                  logrec_valid = parent.get("logrec_valid");
       114
                  operlog_status = parent.get("operlog_status"):
       115
                  operlog_valid = parent.get("operlog_valid");
       116
15
                  parent.set("URL","interviews/ps_topics.html");
       117
       118
              function loadFromDisk()
       119
                {
   120
                 var xdist = screen.availWidth - 455;
   S
20
        121
                 load =
              window.open('../load.html','loadWin','WIDTH=400.HEIGHT=105.screeny=405.s
   U
              creenx=' + xdist + ',resizable=0,menubar=0,status=0,scrollbars=1');
   122
                 load.opener.name = 'opener';
   123
                 load.focus();
   m
25 ايا
        124
                }
        125
   126
              function parentLink(url) {
   Ü
        127
              parent.opener.document.location=url
   IJ
        128
              parent.opener.focus();
30
        129
        130
                function buildCheck(url)
        131
        132
                  // first see if all required tasks have been completed
        133
                  if ((naming_status == "Not done")||(sw_status == "Not
35
              done")||(hw_status == "Not done")||(str1_status == "Not
              done")||(cds_status == "Not done"))
        134
                    {alert("Please complete all required tasks before continuing with
              the Build step.")}
        135
                  else {
40
        136
                        if ((naming_valid == "invalid")||(sw_valid ==
              "invalid")||(hw_valid == "invalid")||(str1_valid ==
              "invalid")||(cds_valid == "invalid")||(sfm_valid ==
              "invalid")||(jes2_valid == "invalid")||(racf_valid ==
              "invalid")||(tape_valid == "invalid")||(ecs_valid ==
45
              "invalid")||(logrec_valid == "invalid")||(operlog_valid == "invalid"))
        137
                              {alert("Please correct all invalid entries before
              continuing with the Build step.")}
```

```
138
                          else{window.location = url}
        139
                        }
        140
                 } // end function
        141
 5
        142
        143
              </SCRIPT>
        144
                <LINK REL="STYLESHEET" TYPE="text/css" HREF="/include/text.css">
        145
              </HEAD>
        146
        147
10
              <BODY BGCOLOR="#FFFFFF">
        148
              <TABLE BORDER="0" WIDTH="560">
        149
              <TR>
        150
               <TD>
        151
                 <FORM NAME="interview1">
15
        152
                 <TABLE BORDER="0" WIDTH="100%">
        153
                    <TR BGCOLOR="#c8d8f8">
        154
                      <TD>
        155
                        <FONT SIZE="2" FACE="Arial, helv">
   156
                        <B>Parallel Sysplex Configuration: Interviews</B>
   ٠D
20
        157
                        </FONT>
   n
        158
                      </TD>
   IN
        159
                      <TD align="right">
   N
        160
   <FONT SIZE="2" FACE="Arial, helv">
        161
   n
25 🦷
              HREF="javascript:parentLink('.../ps_intro.html'):">Introduction</A>
        162
                        </FONT>
   £:
   163
                      </TD>
   Ø
        164
                    </TR>
   165
                  </TABLE>
30
        166
                </TD>
   167
              </TR>
   168
              <TR>
        169
                <D>
        170
                  <FONT COLOR="#000000" SIZE="2" FACE="Arial, helv">
35
        171
                   We begin with a series of interviews in which you'll answer
              questions
        172
                   about the sysplex configuration that you are creating. Complete
              each interview topic
        173
                   that is marked <B>Required</B>. When you have finished answering
40
              all of
        174
                   the interview questions, click <B>Build</B>. The Parallel Sysplex
        175
                   Configuration Assistant will build a checklist of steps for you to
              follow.
        176
                   as well as customized jobs and other data sets for you to use.
45
        177
                   </FONT>
        178
                </TD>
```

```
179
              </TR>
        180
              <TR><TD><IMG SRC="../images/complete.gif"><STRONG> = Complete
              </STRONG>&nbsp;&nbsp;&nbsp;
        181
                      <IMG SRC="../images/alert.gif"><STRONG> = Invalid
 5
              Data</STRONG></TD></TR>
        182
              <TR>
        183
                <TD>
        184
                   <FORM = "interview1">
        185
                   <TABLE BORDER="1" CELLPADDING=2 WIDTH="100%">
10
        186
                      <TR VALIGN="center" BGCOLOR="#C8D8F8">
        187
                         <TH WIDTH="*"><FONT SIZE="2" FACE="Helvetica.</pre>
              Arial">Interview Topics: Sysplex Definition</FONT></TH>
        188
                         <TH WIDTH="20"><FONT SIZE="2" FACE="Helvetica.</pre>
              Arial">Required</FONT></TH>
15
        189
                         <TH WIDTH="20"><FONT SIZE="2" FACE="Helvetica,</pre>
              Arial">Status</FONT></TH>
        190
                      </TR>
        191
                      <TR VALIGN="center">
        192
                         <TD><A HREF="ps_names1.html">Sysplex-wide naming
              conventions</A></TD>
   Ü
        193
                         <TD ALIGN="center">Yes</TD>
   m
        194
                         <TD CELLPADDING=0>&nbsp;<SCRIPT>if (naming_status == "Done")
   M
   Ш
              {document.write('<IMG SRC="../images/complete.gif">')}
   195
                                                       if (naming_valid == "invalid")
25 ()
              {document.write('<IMG SRC="../images/alert.gif">')}</SCRIPT></TD>
   M
        196
                      </TR>
        197
   £;
                      <TR VALIGN="center">
   198
                         <TD><A HREF="ps_sw1.html">Software environment</A></TD>
   ij
        199
                         <TD ALIGN="center">Yes</TD>
   إبإ
30
        200
                         <TD CELLPADDING=0>&nbsp; <SCRIPT>if (sw_status == "Done")
   ļ=ā
              {document.write('<IMG SRC="../images/complete.gif">')}
   201
                                                       if (sw_valid == "invalid")
              {document.write('<IMG SRC="../images/alert.gif">')}</SCRIPT></TD>
        202
                      </TR>
35
        203
                      <TR VALIGN="center">
        204
                          <TD><A HREF="ps_hw2.html">Hardware components</A></TD>
        205
                         <TD ALIGN="center">Yes</TD>
        206
                         <TD CELLPADDING=0>&nbsp;<SCRIPT>if (hw_status == "Done")
              {document.write('<IMG SRC="../images/complete.gif">')}
40
        207
                                                       if (hw_valid == "invalid")
              {document.write('<IMG SRC="../images/alert.gif">')}</SCRIPT></TD>
        208
                      </TR>
        209
                     <TR VALIGN="center">
        210
                        <TD><A HREF="ps_cds1.html">Couple data sets</A></TD>
45
        211
                        <TD ALIGN="center">Yes</TD>
        212
                        <TD CELLPADDING=0>&nbsp;<SCRIPT>if (cds_status == "Done")
              {document.write('<IMG SRC="../images/complete.gif">')}
```

```
213
                                                       if (cds valid == "invalid")
              {document.write('<IMG SRC="../images/alert.gif">')}</SCRIPT></TD>
       214
                     </TR>
       215
                     <TR VALIGN="center">
5
        216
                        <TD><A HREF="ps_sfm_pols.html">Sysplex failure management
              (SFM) policies</A></TD>
        217
                        <TD ALIGN="center">No</TD>
        218
                        <TD CELLPADDING=0>&nbsp;<SCRIPT>if (sfm_status == "Done")
              {document.write('<IMG SRC="../images/complete.gif">')}
10
        219
                                                       if (sfm_valid == "invalid")
              {document.write('<IMG SRC="../images/alert.gif">')}</SCRIPT></TD>
        220
                     </TR>
        221
                      <TR VALIGN="center" BGCOLOR="#C8D8F8">
        222
                         <TH WIDTH="*"><FONT SIZE="2" FACE="Helvetica.</pre>
15
              Arial">Interview Topics: Resource Sharing</FONT></TH>
        223
                         <TH WIDTH="20"><FONT SIZE="2" FACE="Helvetica.</pre>
              Arial">Required?</FONT></TH>
        224
                         <TH WIDTH="20"><FONT SIZE="2" FACE="Helvetica,</pre>
              Arial">Status</FONT></TH>
20
        225
   ٠D
              <TR VALIGN='center'><TD><A HREF='ps_jes2.html'>JES2 checkpoint
        226
   衠
              data</A></TD><TD ALIGN='center'>No</TD><TD CELLPADDING=0> </TD></TR><TR
   U
              VALIGN='center'><TD><A HREF='ps_racf.html'>0S/390 Security Server
   Ш
              database</A></TD><TD ALIGN='center'>No</TD><TD CELLPADDING=0> </TD></TR>
        227
                     <TR VALIGN="center">
   m
        228
                        <TD><A HREF="ps tape.html">Tape devices (automatic tape
   U
              sharing feature)</A></TD>
   93
        229
                        <TD ALIGN="center">No</TD>
   230
                        <TD CELLPADDING=0> </TD>
   10
ريا 30
        231
                     </TR>
        232
   in.
                     <TR VALIGN="center">
   233
                        <TD><A HREF="ps_ecs.html">Catalogs (enhanced catalog sharing
   122
              feature)</A></TD>
        234
                        <TD ALIGN="center">No</TD>
35
        235
                        <TD CELLPADDING=0> </TD>
        236
                     </TR>
        237
                     <TR VALIGN="center">
        238
                        <TD><A HREF="ps_operlog.html">OPERLOG (system logger
              feature)</A></TD>
40
        239
                        <TD ALIGN="center">No</TD>
        240
                         <TD CELLPADDING=0> </TD>
        241
                     </TR>
        242
                     <TR VALIGN="center">
        243
                         <TD><A HREF="ps_logrec.html">LOGREC (system logger
45
              feature)</A></TD>
        244
                        <TD ALIGN="center">No</TD>
        245
                        <TD CELLPADDING=0> </TD>
```

```
246
                    </TR>
       247
                    <TR VALIGN="center">
       248
                       <TD><A HREF="ps_str_map.html">Coupling Facility structure
             mapping</A></TD>
5
       249
                       <TD ALIGN="center">Yes</TD>
       250
                       <TD CELLPADDING=0> </TD>
                    </TR>
       251
       252
                   <TR VALIGN="center">
       253
                        <TD CELLPADDING=0 COLSPAN=3>
       254
10
                             <TABLE BORDER=O CELLSPACING=O CELLPADDING=O
             WIDTH=100%><TR VALIGN="center">
       255
                             <TD ALIGN="left"><INPUT TYPE="button" NAME=Build
             256
                             <TD ALIGN="right">
15
       257
                     <INPUT TYPE="button" NAME=Load VALUE="Load Configuration Data"</pre>
             onClick="loadFromDisk();"><INPUT TYPE="button" NAME=Save VALUE="Save
             Configuration Data"
             onClick=parent.saveToDisk("interviews/ps_topics.html")>
       258
20
       259
                             </TR></TABLE>
                        </TD>
       260
   T
       261
                   </TR>
   m
   L
       262
                  </TABLE>
   263
                  </FORM>
25 J
       264
               </TD>
   U
       265
             </TR>
   ži
       266
             </TABLE>
   267
              </WhiteSpace>
   ij,
       268
             </TD>
   W
30
       269
              </TR></TABLE>
       270
              </TR></TABLE>
   271
             </TR></TABLE>
        272
        273
              <TABLE width="600" border="0" cellspacing="0" cellpadding="0">
35
        274
              <TR bgcolor="#000000">
        275
              <TD align="center" width="49"><A href="http://www.ibm.com/privacy/"
             class="nav" style="color: #fffffff:"><A
              href="http://www.ibm.com/privacy/" class="nav" Ttyle="color:
             #fffffff;"><FONT face="Arial, sans-serif" size="-2"
40
             color="#ffffff"><B>Privacy</B></FONT></A></TD>
        276
              <TD bgcolor="#959595" width="1"><IMG src="http://www.ibm.com/i/c.gif"
             width="1" height="21"/></TD>
        277
              <TD align="center" width="49"><A href="http://www.ibm.com/legal/"
              class="nav" style="color: #ffffff;"><A href="http://www.ibm.com/legal/"</pre>
              class="nav" Ttyle="color: #fffffff;"><FONT face="Arial, sans-serif"</pre>
45
              size="-2" color="#fffffff"><B>Legal</B></FONT></A></TD>
```

```
278
               <TD bgcolor="#959595" width="1"><IMG src="http://www.ibm.com/i/c.gif"</pre>
               width="1" height="1"/></TD>
        279
               <TD align="center" width="49"><A href="http://www.ibm.com/contact/"
               class="nav" style="color: #ffffff;"><A</pre>
               href="http://www.ibm.com/contact/" class="nav" Ttyle="color:
5
               #ffffff;"><FONT face="Arial, sans-serif" size="-2"</pre>
               color="#ffffff"><B>Contact</B></FONT></A></TD>
                \begin{tabular}{ll} \label{table:com} $$<$TD bgcolor="$\#959595" width="1"><$IMG src="http://www.ibm.com/i/c.gif" $$
        280
               width="1" height="1"/></TD>
10
        281
               <TD width="450"> </TD></TR>
        282
               </TABLE>
        283
        284
        285
               </BODY>
15
        286
        287
               </BODY>
        288
               </HTML>
```

```
Appendix D: Source Version of Save Page
              Copyright © 1999 IBM Corporation
       289
              <BASE HREF="http://www.s390.ibm.com/pso/psotool/">
 5
       290
              <HTML>
       291
              <HEAD>
       292
              <META NAME="abstract" CONTENT="IBM System/390">
       293
              <META NAME="keywords" CONTENT="S/390 Parallel Sysplex Configuration</pre>
              Assistant">
10
       294
              <META NAME="owner"
                                    CONTENT="gcorbin@us.ibm.com">
       295
              <META NAME="author"
                                    CONTENT="George Corbin">
       296
              <META NAME="review" CONTENT="990928">
       297
              <META NAME="security" CONTENT="public">
       298
              <TITLE>S/390 Parallel Sysplex Configuration Assistant (Save & Restore
15
              Data)</TITLE>
       299
        300
       301
              </HEAD>
        302
              <BODY onLoad="saveFields()" onBlur="var timerID =</pre>
20
              setTimeout('window.close()', 20000)">
   ı,
        303
              <FORM NAME="restore">
   m
        304
              <TABLE BORDER="0" WIDTH="560">
   M
   305
              <TR>
   306
              <TD>
25 5
        307
              <TABLE BORDER="0" WIDTH="100%">
   M
        308
              <TR BGCOLOR="#c8d8f8">
   Ħ
        309
              <TD>
   310
              <FONT SIZE="2" FACE="Arial, helv">
   Ü
        311
              <B>S/390 Parallel Sysplex Configuration Assistant: Save & Restore
   IJ
30
              Data</B>
  į.
        312
              </FONT>
   313
              </TD>
        314
              </TR>
        315
              </TABLE>
35
        316
              </TD>
        317
              </TR>
        318
              <TR><TD><P>
        319
               This document contains the information you have entered into the S/390
              Parallel Sysplex Configuration Assistant.
40
```

POU920000026US1

320

321

322

323

324

45

In the Save As... dialog box, choose a name and directory location

<TR><TD VALIGN=Top>To Save Your

Select File and then Save as... from the menubar at the top of this window.

for the configuration data file and click the Save button.

<TR><TD><TABLE WIDTH="100%" BORDER="0">

Data:

Close this Window.

```
325
            </0L></TD>
       326
            </TR>
       327
            <TR><TD><HR NOSHADE COLOR="#CCCCCC">Once you have saved your data, you
            can quit the S/390 Parallel Sysplex Configuration Assistant and return
5
            to it later. When you return, you will be given instructions to load the
            saved file and resume your work.</TD></TR></TABLE></TD></TR>
       328
             <TR>
       329
             <TD WIDTH="100%" HEIGHT="40">
       330
             <TABLE BORDER="0" CELLPADDING="0" CELLSPACING="3" WIDTH="100%">
10
       331
             <TR><TD COLSPAN="6" WIDTH="100%"><HR NOSHADE COLOR="#CCCCCC"></TD></TR>
       332
             </TABLE>
       333
             </TD></TR></TABLE>
       334
             15
             <BR><BR><BR>>
       335
             <A NAME="loading"><HR></A><BR><FONT SIZE=5><STRONG>Loading
             Data...</STRONG></FONT>
       336
             20
             <BR><BR><BR>>
   ŧÜ
       337
             <SCRIPT LANGUAGE="JavaScript1.2">
   n
       338
   M
   N
       339
             function saveFields(){
   340
             opener.parent.set('hassaved','yes');
25 III
       341
             opener.parent.set('URL','interviews/ps_topics.html');
   M
       342
             opener.parent.set('netscape_browser','');
   F:
       343
             opener.parent.set('naming_status','Not done');
   344
             opener.parent.set('sw_status','Not done');
   Ü
       345
             opener.parent.set('hw status'.'Not done'):
   Ļį
30
       346
             opener.parent.set('str1_status','Not done');
  in.
       347
             opener.parent.set('cds_status','Not done');
   348
             opener.parent.set('sfm_status','Not done');
       349
             opener.parent.set('jes2_status','Not done');
       350
             opener.parent.set('racf_status','Not done');
35
       351
             opener.parent.set('tape_status','Not done');
       352
             opener.parent.set('ecs_status','Not done');
       353
             opener.parent.set('operlog_status','Not done');
       354
             opener.parent.set('logrec_status','Not done');
       355
             opener.parent.set('names1_valid','valid');
40
       356
             opener.parent.set('names2_valid','valid');
       357
             opener.parent.set('sw1_valid','valid');
       358
             opener.parent.set('hw3_valid','valid');
       359
             opener.parent.set('hw5_valid','valid');
       360
             opener.parent.set('cds1_valid','valid');
45
       361
             opener.parent.set('cds_sfm_valid','valid');
       362
             opener.parent.set('cds_arm_valid','valid');
```

```
363
             opener.parent.set('cds_wlm_valid','valid');
       364
             opener.parent.set('cds_logr_valid','valid');
       365
             opener.parent.set('jes2_valid','valid');
       366
             opener.parent.set('operlog_valid'.'valid'):
 5
       367
             opener.parent.set('logrec_valid','valid');
       368
             opener.parent.set('strl_valid','valid');
       369
             opener.parent.set('ps_con_ae_valid','invalid');
       370
             opener.parent.set('formatds_status'.'yes');
       371
             opener.parent.set('hlq','');
10
       372
             opener.parent.set('hlq2','');
       373
             opener.parent.set('suffix', 'PS');
       374
             opener.parent.set('pvolser','');
       375
             opener.parent.set('avolser','');
       376
             opener.parent.set('bvolser','');
15
       377
             opener.parent.set('plexname','SYSPLEX1'):
       378
             opener.parent.set('memnum','2');
       379
             opener.parent.set('maxmem','8');
       380
              opener.parent.set('sysaction',' ');
   381
              opener.parent.set('sys_select',' ');
20
       382
              opener.parent.set('cfnum','2');
   n
       383
              opener.parent.set('cfaction',' ');
   M
       384
              opener.parent.set('cf_select',' ');
   N
   385
              opener.parent.set('sub_num','10');
       386
   M
              opener.parent.set('con_action',' ');
25 川
              opener.parent.set('con_select',' ');
       387
   2)
       388
              opener.parent.set('time_source','etr');
   389
              opener.parent.set('etrzone','yes');
   Ð
       390
              opener.parent.set('simetrid','01');
   IJ
       391
              opener.parent.set('gmt_direction','west');
30
        392
              opener.parent.set('gmt_hours','00');
        393
              opener.parent.set('gmt_minutes','00');
        394
              opener.parent.set('jesver','JES2');
        395
              opener.parent.set('secprod','RACF');
        396
              opener.parent.set('grsprod','GRS');
35
        397
              opener.parent.set('sms_active','yes');
        398
              opener.parent.set('cics','yes');
        399
              opener.parent.set('cics_regions','');
        400
              opener.parent.set('ims','yes');
        401
              opener.parent.set('dfsmshsm','yes');
40
        402
              opener.parent.set('rmm','yes');
        403
              opener.parent.set('dbshared','no');
        404
              opener.parent.set('racfdb_ds','1');
        405
              opener.parent.set('racf_b_size','1024');
        406
              opener.parent.set('jes_mas','yes');
45
        407
              opener.parent.set('jes str1'.'CKPT1'):
```

```
408
              opener.parent.set('jesdsnl','');
       409
              opener.parent.set('jesdsn2','');
       410
              opener.parent.set('jesaltds','');
       411
              opener.parent.set('jesvoll','');
5
       412
              opener.parent.set('jesvol2','');
       413
              opener.parent.set('jesaltvol','');
       414
              opener.parent.set('jes_records','1500');
       415
              opener.parent.set('plexdsn1','');
       416
              opener.parent.set('plexdsn2','');
10
       417
              opener.parent.set('plexdsn3','');
       418
              opener.parent.set('xcfgroup','100'):
       419
              opener.parent.set('plex_pvoiser','');
       420
              opener.parent.set('plex_avolser','');
       421
              opener.parent.set('plex_bvolser','');
15
       422
              opener.parent.set('cfrmdsn1','');
       423
              opener.parent.set('cfrmdsn2','');
       424
              opener.parent.set('cfrmdsn3','');
       425
              opener.parent.set('cfrm_pvolser','');
   426
              opener.parent.set('cfrm_avolser','');
   9
20
       427
              opener.parent.set('cfrm_bvolser','');
       428
              opener.parent.set('sfmdsn1','');
   I
        429
              opener.parent.set('sfmdsn2','');
   IJ
   Ö
        430
              opener.parent.set('sfmdsn3','');
       431
   m
              opener.parent.set('sfm_pvolser','');
25 切
        432
              opener.parent.set('sfm_avolser','');
   51
       433
              opener.parent.set('sfm_bvolser','');
   434
              opener.parent.set('sfm_maxpol','6');
   Ü
        435
              opener.parent.set('sfmpols','1');
   IJ
        436
              opener.parent.set('polaction',' ');
30 🗀
        437
              opener.parent.set('polselect',' ');
        438
              opener.parent.set('armdsn1','');
        439
              opener.parent.set('armdsn2','');
        440
              opener.parent.set('armdsn3','');
        441
              opener.parent.set('arm_pvolser', '');
35
        442
              opener.parent.set('arm_avolser','');
        443
              opener.parent.set('arm_bvolser','');
        444
              opener.parent.set('arm_maxpol','6');
        445
              opener.parent.set('armpols','1');
        446
              opener.parent.set('armaction',' ');
40
        447
              opener.parent.set('armselect',' ');
        448
              opener.parent.set('wlmdsn1','');
        449
              opener.parent.set('wlmdsn2','');
        450
              opener.parent.set('wlmdsn3','');
        451
              opener.parent.set('wlm_pvolser','');
45
        452
              opener.parent.set('wlm_avolser','');
```

```
453
             opener.parent.set('wlm_bvolser','');
       454
              opener.parent.set('wlm_maxpol','6');
       455
             opener.parent.set('wkloads'.'32'):
       456
              opener.parent.set('srvclass','128');
5
       457
              opener.parent.set('applenv','100');
       458
              opener.parent.set('schenv','100');
       459
              opener.parent.set('logrdsn1','');
       460
              opener.parent.set('logrdsn2','');
       461
              opener.parent.set('logrdsn3','');
10
       462
              opener.parent.set('logr_pvolser','');
       463
              opener.parent.set('logr avolser','');
       464
              opener.parent.set('logr_bvolser','');
       465
              opener.parent.set('logrec_records','');
       466
              opener.parent.set('logrec_hlq','');
15
       467
              opener.parent.set('logrec_ucat','');
       468
              opener.parent.set('logrec_vol','');
       469
              opener.parent.set('oplog_records','');
       470
              opener.parent.set('oplog_hlq','');
        471
              opener.parent.set('oplog_ucat','');
   ų.
        472
              opener.parent.set('oplog vol'.'');
        473
              opener.parent.set('oplog_cf_time','30');
   M
        474
              opener.parent.set('oplog_lib','');
   IJ
        475
              opener.parent.set('oplog_dasd_time','7 ');
        476
              opener.parent.set('tapenum','');
   ጠ
25 頃
        477
              opener.parent.set('maxcat','1');
   ii:
        478
              opener.parent.set('xcfmem','50'):
   ŋ
        479
   ij
        480
              opener.parent.header.sysArray = [["SYS1", "CPC1", "LP1", [["NORMAL",
   إرا
              1]], [], [], []], ["SYS2", "CPC2", "LP2", [["NORMAL", 1]], [], [],
30
              [], []]];
   481
              opener.parent.header.cfArray = [["CF1", "9674", "02", "000000000000",
              "00", "1", "6000"], ["CF2", "9674", "02", "000000000000", "00", "1",
              "6000"]]:
        482
              opener.parent.header.sfmArray = [["NORMAL", "All systems have equal
35
              weight."]];
        483
              opener.parent.header.armArray = [["ARMPOLOO", "Unless an element is
              specifically defined in an ARM policy, it will fall into this restart
              group."]];
        484
              opener.parent.header.conArray = [["PLEXMSTR", "", "3270-X", "MASTER",
              "", "", "*ALL"]];
40
              opener.parent.header.strArray = [["XCF", "IXCPATH1", "956", "956", 0,
        485
              1]. ["XCF", "IXCPATH2", "16316", "16316", 1, 0], ["GRS", "ISGLOCK",
              "8448", "8448", 0, 1]];
        486
              opener.parent.header.grsDSName = []:
45
        487
              opener.parent.header.grsHLName = [];
        488
              opener.parent.header.checklist = [];
```

```
489
             opener.parent.header.threshStructure = ["IXCPATH1", "IXCPATH2",
              "ISGLOCK", "CKPT1", "IRRXCF00_P", "IRRXCF00_B", "IEFAUTOS",
              "SYSIGGCAS_ECS", "OPERLOG", "LOGREC"];
       490
             opener.parent.header.threshValue = ["80", "80", "80", "80", "95", "95",
 5
             "90", "80", "90", "90"];
       491
             opener.parent.header.rel9 = [];
       492
       493
             var timeID = setTimeout("opener.document.location.reload();
             window.close()", 1500)
10
       494
             }
       495
       496
       497
              </SCRIPT>
       498
              </FORM></BODY>
15
       499
              </HTML>
```

DOSCHORS DREIN

```
Copyright © 1999 IBM Corporation
        500
              <!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML//EN">
 5
        501
              <HTML>
        502
              <HEAD>
        503
                <META HTTP-EQUIV="Content-Type" CONTENT="text/html;</pre>
              charset=iso-8859-1">
        504
                                        CONTENT="jim@us.ibm.com">
                <META NAME="owner"
10
        505
                <META NAME="keywords"
                                        CONTENT="S/390 IBM System/390 OS/390 parallel
              sysplex configuration setup interactive">
        506
                <META NAME="abstract"
                                        CONTENT="This web-based tool helps S/390
              customers migrate to a Parallel Sysplex environment.">
                                        CONTENT="gcorbin@us.ibm.com">
        507
                <META NAME="author"
15
        508
                <META NAME="contact"
                                        CONTENT="gcorbin@us.ibm.com">
        509
                <META NAME="review"
                                        CONTENT="19991231">
        510
                <META NAME="security"</pre>
                                        CONTENT="public">
        511
                <TITLE>Parallel Sysplex Configuration Tool: Introduction and Task
              Menu</TITLE>
20
        512
              <SCRIPT>
   D
        513
              function setlink(){
   m
        514
              var newurl = "file:///" + document.findfile.getfile.value + "#loading";
   M
        515
              document.links[0].href=newurl;
   N
   516
25 5
        517
              </SCRIPT>
   IJ
        518
   E:
        519
              </HEAD>
   520
   ĮĮ.
        521
              <BODY bgcolor="#FFFFFF">
   ij.
30
        522
              <FORM NAME="findfile">
        523
              <FONT COLOR="#000000" size="2" face="Arial, helv, helvetica, sans</p>
              serif"><STRONG>To Reload Previous Data:<BR>1) Enter Filename:</STRONG>
   <input type=file name=getfile value="" onClick=setlink();</pre>
        524
              onBlur=setlink();><BR>
35
        525
              <STRONG>2) And Click: <BR></STRONG></FONT>
        526
              <A HREF="file:///C|/sysplexg.html#loading">Reload Previous Data</A></P>
        527
              </FORM>
        528
              </BODY>
```

Appendix E: Source Version of Load Page

</HTML>

```
Appendix F
             Copyright © 1999 IBM Corporation
       530
             <BASE HREF="http://www.s390.ibm.com/pso/psotool/">
5
       531
             <HTML>
       532
             <HEAD>
       533
               <META HTTP-EQUIV="Content-Type" CONTENT="text/html;</pre>
             charset=iso-8859-1">
       534
               <META NAME="owner"
                                     CONTENT="gdunlap@us.ibm.com">
10
       535
               <META NAME="keywords"
                                     CONTENT="S/390 IBM System/390 OS/390 parallel
             sysplex configuration setup interactive">
       536
               <META NAME="abstract"
                                     CONTENT="This web-based tool helps S/390
             customers migrate to a Parallel Sysplex environment.">
       537
               <META NAME="author"
                                     CONTENT="gcorbin@us.ibm.com">
15
       538
               <META NAME="contact"
                                     CONTENT="gcorbin@us.ibm.com">
       539
               <META NAME="review"
                                     CONTENT="19991231">
       540
               <META NAME="security"
                                     CONTENT="public">
       541
       542
               <LINK REL="STYLESHEET" TYPE="text/css" HREF="/include/text.css">
20
       543
             </HEAD>
  ıÖ
       544
             <SCRIPT LANGUAGE="JavaScript1.2">
  m
       545
  M
  Ш
       546
             function redirect()
  <u>__</u>
       547
25 III
       548
             for (var i=0; i<document.links.length; i++)</pre>
  M
       549
  21
       550
                  document.links[i].href= "javascript:parentLink('" +
  document.links[i].href + "')";
  m
       551
                 }
  Ш
30
       552
             }
       553
       554
             function parentLink(url) {
       555
               parent.opener.document.location=url;
       556
               parent.opener.focus();
       557
35
             }
       558
       559
       560
             </SCRIPT>
       561
             <BODY BGCOLOR="white" alink="white" vlink="white" topmargin="0"</pre>
40
             leftmargin="0" marginheight="0" marginwidth="0"
             onLoad="parent.getCookieData(); redirect();
             parent.basefrm.location='interviews/ps_topics.html';">
       562
             563
             <A
45
             HREF="http://www.ibm.com/" border="0" target="new"><img
             src="http://www.ibm.com/i/v9/m/en/ibm_logo.gif" WIDTH=57 height=24
             alt="IBM" border="0" align="left"></A><img
```

```
src="http://www.ibm.com/i/v9/m/en/logo_sp.gif" width="100%" height=24
              alt="" border="0" align="left">
        564
              565
 5
        566
        567
        568
              <SCRIPT LANGUAGE="JavaScript1.2">
        569
        570
              // set recieves two inputs: a field name and a value to change that
10
              field to.
        571
              // This function writes values to the hidden text fields in the HOLDDATA
              form on this page.
        572
              function set(field,newdata)
        573
15
        574
                doSet = "document.holddata." + field + ".value = " + '""' + " + '" +
              newdata + "':":
        575
                eval(doSet);
        576
               }
        577
              // get receives one input and returns one value.
20 ن
        578
              // The input is the name of the field whose value is to be returned.
        579
   Ħ
              // This function reads text from the fields of the HOLDDATA form and
   U
              returns it
   N
        580
              // to the calling program.
   581
              function get(name)
25 <sup>[]]</sup>
        582
               { if (name == "holddatalength") {return document.holddata.length}
   M
        583
                 else { doGet = "ret = document.holddata." + name + ".value";
   Ē)
        584
                eval(doGet):
   585
                return ret}
   顶
        586
               }
   IJ
30 ⊨
        587
              function name(index)
   588
               { return document.holddata[index].name }
   589
        590
              </SCRIPT>
        591
35
        592
              <FORM NAME="holddata">
        593
              <!-- Variable indicating if data has been saved -->
        594
              <INPUT TYPE="hidden" NAME="hassaved" VALUE="no">
        595
              <INPUT TYPE="hidden" NAME="URL"</pre>
                                                  VALUE="interviews/ps_topics.html">
        596
              <INPUT TYPE="hidden" NAME="netscape_browser" VALUE="">
        597
40
        598
              <!-- planning task status indicators for basic setup -->
        599
              <INPUT TYPE="hidden" NAME="naming_status" VALUE="Not done">
        600
              <INPUT TYPE="hidden" NAME="sw_status"</pre>
                                                          VALUE="Not done">
        601
              <INPUT TYPE="hidden" NAME="hw_status"</pre>
                                                          VALUE="Not done">
45
        602
              <INPUT TYPE="hidden" NAME="str1 status"</pre>
                                                          VALUE="Not done">
        603
              <INPUT TYPE="hidden" NAME="cds_status"</pre>
                                                          VALUE="Not done">
```

```
604
               <INPUT TYPE="hidden" NAME="sfm_status"</pre>
                                                              VALUE="Not done">
        605
               <!-- planning task status indicators for resource sharing setup -->
        606
               <INPUT TYPE="hidden" NAME="jes2_status"</pre>
                                                               VALUE="Not done">
        607
               <INPUT TYPE="hidden" NAME="racf_status"</pre>
                                                               VALUE="Not done">
5
        608
               <INPUT TYPE="hidden" NAME="tape_status"</pre>
                                                               VALUE="Not done">
        609
               <INPUT TYPE="hidden" NAME="ecs_status"</pre>
                                                               VALUE="Not done">
        610
               <INPUT TYPE="hidden" NAME="operlog_status"</pre>
                                                               VALUE="Not done">
        611
               <INPUT TYPE="hidden" NAME="logrec_status"</pre>
                                                               VALUE="Not done">
        612
10
        613
               <!-- validation placeholders for each page -->
        614
               <INPUT TYPE="hidden" NAME="rames1_valid"</pre>
                                                               VALUE="valid">
        615
               <INPUT TYPE="hidden" NAME="names2_valid"</pre>
                                                               VALUE="valid">
        616
               <INPUT TYPE="hidden" NAME="sw1_valid"</pre>
                                                               VALUE="valid">
        617
               <INPUT TYPE="hidden" NAME="hw3_valid"</pre>
                                                               VALUE="valid">
15
        618
               <INPUT TYPE="hidden" NAME="hw5__valid"</pre>
                                                               VALUE="valid">
        619
               <INPUT TYPE="hidden" NAME="cds1_valid"</pre>
                                                               VALUE="valid">
        620
               <INPUT TYPE="hidden" NAME="cds_s?m_valid"</pre>
                                                               VALUE="valid">
               <INPUT TYPE="hidden" NAME="cds_arm_valid"</pre>
        621
                                                               VALUE="valid">
   622
                                                               VALUE="valid">
               <INPUT TYPE="hidden" NAME="cds_wlm_valid"</pre>
   Û
        623
               <INPUT TYPE="hidden" NAME="cds_logr_valid"</pre>
                                                               VALUE="valid">
   n
        624
               <INPUT TYPE="hidden" NAME="jes2_valid"</pre>
                                                               VALUE="valid">
   M
        625
               <INPUT TYPE="hidden" NAME="operlog_valid"</pre>
                                                               VALUE="valid">
   N
               <INPUT TYPE="hidden" NAME="logrec_valid"</pre>
   626
                                                               VALUE="valid">
        627
               <INPUT TYPE="hidden" NAME="str1_valid"</pre>
   m
                                                               VALUE="valid">
25 切
        628
               <INPUT TYPE="hidden" NAME=+ps_con_ae_valid" VALUE="invalid">
   2)
        629
   630
   Ü
        631
               <!-- build status indicators for basic setup-->
   Ш
        632
               <INPUT TYPE="hidden" NAME="formatds_status" VALUE="yes">
30 5
5
        633
        634
               <!-- naming conventions -->
        635
               <INPUT TYPE="hidden" NAME="hlq"</pre>
                                                              VALUE="">
        636
               <INPUT TYPE="hidden" NAME="hlq2"</pre>
                                                              VALUE="">
        637
               <INPUT TYPE="hidden" NAME="suffix"</pre>
                                                              VALUE="PS">
35
        638
               <INPUT TYPE="hidden" NAME="pvolser"</pre>
                                                              VALUE="">
        639
               <INPUT TYPE="hidden" NAME="avolser"</pre>
                                                              VALUE="">
        640
               <INPUT TYPE="hidden" NAME="bvolser"</pre>
                                                              VALUE="">
        641
        642
               <!-- hardware environment -->
        643
40
               <INPUT TYPE="hidden" NAME="plexname"</pre>
                                                              VALUE="SYSPLEX1">
        644
               <INPUT TYPE="hidden" NAME="memnum"</pre>
                                                              VALUE="2">
        645
               <INPUT TYPE="hidden" NAME="maxmem"</pre>
                                                              VALUE="8">
        646
               <INPUT TYPE="hidden" NAME="sysaction">
        647
               <INPUT TYPE="hidden" NAME="sys_select">
45
        648
               <INPUT TYPE="hidden" NAME="cfnum"</pre>
                                                              VALUE="2">
```

of the figure of a

```
649
              <INPUT TYPE="hidden" NAME="cfaction">
        650
               <INPUT TYPE="hidden" NAME="cf_select">
        651
               <INPUT TYPE="hidden" NAME="sub_num"</pre>
                                                              VALUE="10">
        652
               <INPUT TYPE="hidden" NAME="con_action">
5
        653
               <INPUT TYPE="hidden" NAME="con_select">
        654
               <INPUT TYPE="hidden" NAME="time_source"</pre>
                                                              VALUE="etr">
        655
               <INPUT TYPE="hidden" NAME="etrzone"</pre>
                                                              VALUE="yes">
        656
               <INPUT TYPE="hidden" NAME="simetrid"</pre>
                                                              VALUE="01">
        657
               <INPUT TYPE="hidden" NAME="gmt_direction"</pre>
                                                              VALUE="west">
10
        658
               <INPUT TYPE="hidden" NAME="gmt_hours"</pre>
                                                              VALUE="00">
        659
               <INPUT TYPE="hidden" NAME="gmt_minutes"</pre>
                                                              VALUE="00">
        660
        661
               <!-- software environment -->
        662
               <INPUT TYPE="hidden" NAME="jesver"</pre>
                                                              VALUE="JES2">
15
        663
               <INPUT TYPE="hidden" NAME="secprod"</pre>
                                                              VALUE="RACF">
        664
               <INPUT TYPE="hidden" NAME="grsprod"</pre>
                                                              VALUE="GRS">
        665
               <INPUT TYPE="hidden" NAME="sms_active"</pre>
                                                              VALUE="yes">
        666
               <INPUT TYPE="hidden" NAME="cics"</pre>
                                                              VALUE="yes">
   D
        667
               <INPUT TYPE="hidden" NAME="cics_regions"</pre>
                                                              VALUE="">
   ٠.
20
        668
               <INPUT TYPE="hidden" NAME="ims"</pre>
                                                              VALUE="yes">
   Ţ
        669
               <INPUT TYPE="hidden" NAME="dfsmshsm"</pre>
                                                              VALUE="yes">
   670
               <INPUT TYPE="hidden" NAME="rmm"</pre>
                                                              VALUE="yes">
   H
        671
   672
   m
               <!-- security stuff -->
25 J
        673
               <INPUT TYPE="hidden" NAME="dbshared"</pre>
                                                              VALUE="no">
   51
        674
               <INPUT TYPE="hidden" NAME="racfdb_ds"</pre>
                                                              VALUE="1"
   675
               <INPUT TYPE="hidden" NAME="racf_p_size"</pre>
                                                              VALUE="5120">
   ij
        676
               <INPUT TYPE="hidden" NAME="racf_b_size"</pre>
                                                              VALUE="1024">
   ij
        677
30
        678
               <!-- jes2 stuff -->
        679
               <INPUT TYPE="hidden" NAME="jes_mas"</pre>
                                                              VALUE="yes">
        680
               <INPUT TYPE="hidden" NAME="jes_str1" SIZE="8" VALUE="CKPT1">
        681
               <INPUT TYPE="hidden" NAME="jesdsn1"</pre>
                                                              VALUE="">
        682
               <INPUT TYPE="hidden" NAME="jesdsn2"</pre>
                                                              VALUE="">
35
        683
               <INPUT TYPE="hidden" NAME="jesaltds"</pre>
                                                              VALUE="">
        684
               <INPUT TYPE="hidden" NAME="jesvol1" SIZE="6" VALUE="">
        685
               <INPUT TYPE="hidden" NAME="jesvol2" SIZE="6" VALUE="">
        686
               <INPUT TYPE="hidden" NAME="jesaltvol" SIZE="6" VALUE="">
        687
               <INPUT TYPE="hidden" NAME="jes_records"</pre>
                                                              VALUE="1500">
        688
40
        689
        690
               <!-- Sysplex couple dataset stuff -->
        691
               <INPUT TYPE="hidden" NAME="plexdsn1"</pre>
                                                               VALUE="">
        692
               <INPUT TYPE="hidden" NAME="plexdsn2"</pre>
                                                               VALUE="">
45
        693
               <INPUT TYPE="hidden" NAME="plexdsn3"</pre>
                                                               VALUE="">
```

```
<INPUT TYPE="hidden" NAME="xcfgroup"</pre>
        694
                                                               VALUE="100">
        695
               <INPUT TYPE="hidden" NAME="plex_pvolser"</pre>
                                                               VALUE="">
        696
               <INPUT TYPE="hidden" NAME="plex_avolser"</pre>
                                                               VALUE="">
        697
               <INPUT TYPE="hidden" NAME="plex_bvolser"</pre>
                                                                VALUE="">
5
        698
        699
               <!-- CFRM couple dataset stuff -->
        700
               <INPUT TYPE="hidden" NAME="cfrmdsn1"</pre>
                                                                VALUE="">
        701
               <INPUT TYPE="hidden" NAME="cfrmdsn2"</pre>
                                                                VALUE="">
        702
               <INPUT TYPE="hidden" NAME="cfrmdsn3"</pre>
                                                                VALUE="">
10
        703
               <INPUT TYPE="hidden" NAME="cfrm_pvolser"</pre>
                                                                VALUE="">
        704
               <INPUT TYPE="hidden" NAME="cfrm_avolser"</pre>
                                                                VALUE="">
        705
               <INPUT TYPE="hidden" NAME="cfrm_bvolser"</pre>
                                                                VALUE="">
        706
        707
               <!-- sfm stuff -->
        708
15
               <INPUT TYPE="hidden" NAME="sfmdsn1"</pre>
                                                                VALUE="">
        709
               <INPUT TYPE="hidden" NAME="sfmdsn2"</pre>
                                                                VALUE="">
        710
               <INPUT TYPE="hidden" NAME="sfmdsn3"</pre>
                                                                VALUE="">
        711
               <INPUT TYPE="hidden" NAME="sfm_pvolser"</pre>
                                                                VALUE="">
   712
               <INPUT TYPE="hidden" NAME="sfm_avolser"</pre>
                                                                VALUE="">
  D
20
        713
               <INPUT TYPE="hidden" NAME="sfm_bvolser"</pre>
                                                                VALUE="">
   n
        714
               <INPUT TYPE="hidden" NAME="sfm_maxpol"</pre>
                                                                VALUE="6">
   M
        715
               <INPUT TYPE="hidden" NAME="sfmpols"</pre>
                                                                VALUE="1">
   N
               <INPUT TYPE="hidden" NAME="polaction">
        716
   717
   m
               <INPUT TYPE="hidden" NAME="polselect">
25 🞵
        718
        719
   ď:
               <!-- arm stuff -->
   720
               <INPUT TYPE="hidden" NAME="armdsn1"</pre>
                                                                VALUE="">
   Щ
        721
               <INPUT TYPE="hidden" NAME="armdsn2"</pre>
                                                                VALUE="">
   IJ
        722
               <INPUT TYPE="hidden" NAME="armdsn3"</pre>
                                                                VALUE="">
30 🗀
        723
               <INPUT TYPE="hidden" NAME="arm_pvolser"</pre>
                                                                VALUE="">
        724
               <INPUT TYPE="hidden" NAME="arm_avolser"</pre>
                                                                VALUE="">
               <INPUT TYPE="hidden" NAME="arm_bvolser"</pre>
        725
                                                                VALUE="">
        726
               <INPUT TYPE="hidden" NAME="arm_maxpol"</pre>
                                                                VALUE="6">
        727
               <INPUT TYPE="hidden" NAME="armpols"</pre>
                                                                VALUE="1">
               <INPUT TYPE="hidden" NAME="armaction">
35
        728
        729
               <INPUT TYPE="hidden" NAME="armselect">
        730
        731
               <!-- wlm stuff -->
        732
               <INPUT TYPE="hidden" NAME="wlmdsn1"</pre>
                                                                VALUE="">
        733
40
               <INPUT TYPE="hidden" NAME="wlmdsn2"</pre>
                                                                VALUE="">
               <INPUT TYPE="hidden" NAME="wlmdsn3"</pre>
        734
                                                                VALUE="">
        735
               <INPUT TYPE="hidden" NAME="wlm_pvolser"</pre>
                                                                VALUE="">
        736
               <INPUT TYPE="hidden" NAME="wlm_avolser"</pre>
                                                                VALUE="">
               <INPUT TYPE="hidden" NAME="wlm_bvolser"</pre>
         737
                                                                VALUE="">
45
        738
               <INPUT TYPE="hidden" NAME="wlm_maxpol"</pre>
                                                                VALUE="6">
```

```
739
              <INPUT TYPE="hidden" NAME="wkloads"</pre>
                                                           VALUE="32">
        740
              <INPUT TYPE="hidden" NAME="srvclass"</pre>
                                                           VALUE="128">
              <INPUT TYPE="hidden" NAME="applenv"</pre>
        741
                                                           VALUE="100">
                                                           VALUE="100">
        742
              <INPUT TYPE="hidden" NAME="schenv"</pre>
5
        743
        744
              <!-- logger stuff -->
        745
              <INPUT TYPE="hidden" NAME="logrdsn1"</pre>
                                                           VALUE="">
        746
              <INPUT TYPE="hidden" NAME="logrdsn2"</pre>
                                                           VALUE="">
        747
              <INPUT TYPE="hidden" NAME="logrdsn3"</pre>
                                                           VALUE="">
10
        748
              <INPUT TYPE="hidden" NAME="logr_pvolser"</pre>
                                                           VALUE="">
        749
              <INPUT TYPE="hidden" NAME="logr_avolser"</pre>
                                                           VALUE="">
        750
              <INPUT TYPE="hidden" NAME="logr_bvolser"</pre>
                                                           VALUE="">
        751
              <INPUT TYPE="hidden" NAME="logrec_records" VALUE="">
        752
              <INPUT TYPE="hidden" NAME="logrec_hlq"</pre>
                                                           VALUE="">
        753
              <INPUT TYPE="hidden" NAME="logrec_ucat"</pre>
15
                                                           VALUE="">
        754
              <INPUT TYPE="hidden" NAME="logrec_vol"</pre>
                                                          VALUE="">
        755
              <INPUT TYPE="hidden" NAME="oplog_records"</pre>
                                                           VALUE="">
              <INPUT TYPE="hidden" NAME="oplog_hlq"</pre>
        756
                                                           VALUE="">
   757
              <INPUT TYPE="hidden" NAME="oplog_ucat"</pre>
                                                           VALUE="">
  O
20
        758
              <INPUT TYPE="hidden" NAME="oplog_vol"</pre>
                                                          VALUE="">
        759
              <INPUT TYPE="hidden" NAME="oplog_cf_time"</pre>
                                                           VALUE="30">
  U
        760
              <INPUT TYPE="hidden" NAME="oplog_lib"</pre>
  IJ
                                                           VALUE="">
        761
  <INPUT TYPE="hidden" NAME="oplog_dasd_time" VALUE="7 ">
  m
        762
25 ₩
        763
              <!-- automatic tape sharing stuff -->
  21
        764
              <INPUT TYPE="hidden" NAME="tapenum"</pre>
                                                           VALUE="">
  765
   Ü
        766
              <!-- ECS stuff -->
   IJ
        767
              <INPUT TYPE="hidden" NAME="maxcat"</pre>
                                                           VALUE="1">
30
        768
        769
              <!-- BUILD it -->
        770
              <INPUT TYPE="hidden" NAME="xcfmem"</pre>
                                                          VALUE="50">
        771
              </FORM>
        772
              <SCRIPT LANGUAGE="JavaScript1.2">
35
        773
        774
        775
        776
              //-----
40
                   -----//
        777
              // This is an array to keep track of the arrays. If you add an array,
              please add it's name here. //
        778
              arrayList = new
              Array("sysArray","cfArray","sfmArray","armArray","conArray","strArray","
45
              grsDSName", "grsHLName", "checklist", "threshStructure", "threshValue", "rel9
              ");
```

```
779
       780
5
       781
              // This section builds an initial sysArray, the array of systems in the
              sysplex
       782
                     sysCols = 3
       783
                     sysArray = new Array();
       784
                     memnum = 2:
                     for (rowCnt=0; rowCnt < memnum; rowCnt++)</pre>
10
       785
        786
        787
                       sysArray[rowCnt] = new Array();
        788
                       sysArray[rowCnt][0] == "SYS" + (rowCnt+1);
                       sysArray[rowCnt][1] = "CPC" + (rowCnt+1);
        789
        790
15
                       sysArray[rowCnt][2] = "LP" + (rowCnt+1);
        791
              // SFM related data
        792
                       sysArray[rowCnt][3] = new Array();
        793
                       sysArray[rowCnt][3][0] = new Array();
        794
                       sysArray[rowCnt][3][0][0] = "NORMAL";
   20 🚡
        795
                       sysArray[rowCnt][3][0][1] = 1:
   m
        796
              // MCS-related data
   In
        797
                       sysArray[rowCnt][4] = new Array(); // which consoles it
   Ш
              physically connects to
   798
                       sysArray[rowCnt][5] = new Array(); // which consoles it
25 節
              listens to for commands
   M
        799
                       sysArray[rowCnt][6] = new Array(); // which consoles it routes
   81
              messages to
   800
                       sysArray[rowCnt][7] = new Array(); // os390 release
   ΠĴ
        801
                     } //end for loop on rowCnt
   Ш
30
        802
               // This section builds an initial cfArray, the array of Coupling
              Facilities in the sysplex
        803
                     cfCols = 7;
        804
                     cfArray = new Array();
        805
                     cfnum = 2:
35
        806
                     for (rowCnt=0; rowCnt < cfnum; rowCnt++)</pre>
        807
        808
                       cfArray[rowCnt] = new Array();
        809
                       cfArray[rowCnt][0] = "CF" + (rowCnt+1);
        810
                       cfArray[rowCnt][1] = "9674";
40
        811
                       cfArray[rowCnt][2] = "02":
        812
                       cfArray[rowCnt][3] = "000000000000";
        813
                       cfArray[rowCnt][4] = "00";
        814
                       cfArray[rowCnt][5] = "1";
        815
                       cfArray[rowCnt][6] = "6000";
45
        816
                      } // end of loop on rowCnt
        817
               // This section builds an initial sfmArray, the array of SFM policies
```

```
818
                     sfmArray = new Array();
       819
                     // Policy 1. Normal
       820
                        sfmArray[0] = new Array();
       821
                        sfmArray[0][0] = "NORMAL":
5
       822
                        sfmArray[0][1] = "All systems have equal weight.";
       823
               // This section builds an initial armArray, the array of ARM policies
       824
                     armArray = new Array();
       825
                     // Build row 0 -- entries for sample policy ARMPOLOO
       826
                     armArray[0] = new Array();
10
       827
                     armArray[0][0] = "ARMPOLOO";
       828
                     armArray[0][1] = "Unless an element is specifically defined in an
              ARM policy, it will fall into this restart group.";
       829
               // This section builds an initial conArray, the array of MCS consoles
       830
                     conArray = new Array();
15
       831
                     // a sample console definition entry
       832
                        conArray[0] = nev Array();
       833
                        conArray[0][0] = "PLEXMSTR";
                                                            // console name
       834
                        conArray[0][1] = "";
                                                            // device number
   835
                        conArray[0][2] = "3270-X";
                                                            // unit type
20 🗓
        836
                        conArray[0][3] = "MASTER";
                                                            // authority
       837
                        conArray[0][4] = "";
                                                            // route code
   IJ
       838
                        conArray[0][5] = "";
                                                        // Connected to field
   Ŋ
        839
                        conArray[0][6] = "*ALL";
   // Connected to field
        840
               // This section builds an initial strArray, the array of CF structures
   m
25 川
        841
               // Start with columns 0 thru 3 for component name (e.g., GRS).
              structure name, initial size, and max size
   23
   842
                     strArray = new Array();
   ij
        843
                     // Build rows 0 thru 3 -- entries for XCF structures
   [L]
        844
                     strArray[0] = new Array();
        845
                     strArray[0][0] = "XCF";
   846
                     strArray[0][1] = "IXCPATH1";
        847
                     strArray[0][2] = "956";
        848
                     strArray[0][3] = "956";
        849
                     strArray[0][4] = 0:
35
        850
                     strArray[0][5] = 1;
        851
        852
                     strArray[1] = new Array();
        853
                     strArray[1][0] = "XCF";
        854
                     strArray[1][1] = "IXCPATH2";
40
        855
                     strArray[1][2] = "16316";
        856
                     strArray[1][3] = "16316";
        857
                     strArray[1][4] = 1;
        858
                     strArray[1][5] = 0;
        859
45
        860
                     // Build row 2 -- entry for GRS structure
        861
                     strArray[2] = new Array();
```

· 1

```
862
                     strArray[2][0] = "GRS";
        863
                     strArray[2][1] = "ISGLOCK";
        864
                     strArray[2][2] = "8448";
        865
                     strArray[2][3] = "8448";
5
        866
                     strArray[2][4] = 0;
        867
                     strArray[2][5] = 1;
        868
        869
                     // Continue with columns 4 thru n for CF preferences
        870
                     cfnum = 2;
10
        871
                     for (rowCnt=0;rowCnt < 5; rowCnt++)</pre>
        872
                      {
        873
                        for (colCnt=4; colCnt < cfnum; colCnt++)</pre>
        874
                          {
        875
                             strArray[rowCnt][colCnt] = "";
15
        876
                             } // end colCnt loop
        877
                       } // end rowCnt loop
        878
        879
                       // array for hlding DataSet names for GRS insertions into
              GRSRNLxx Parmlib member
20 🗓
        880
                       // Input is received from the SW section panel 2
   m
        881
                       grsDSName = new Array();
   M
        882
                       grsHLName = new Array();
   IJ
        883
                       // array for storing status on build page
   884
                       checklist = new Array();
   ñ
25
        885
        886
                       threshStructure = new Array();
                       threshStructure[0] = "IXCPATH1";
   887
   D
        888
                       threshStructure[1] = "IXCPATH2";
   Ш
        889
                       threshStructure[2] = "ISGLOCK";
30
        890
                       threshStructure[3] = "CKPT1";
   891
                       threshStructure[4] = "IRRXCF00_P";
        892
                       threshStructure[5] = "IRRXCF00_B";
        893
                       threshStructure[6] = "IEFAUTOS";
        894
                       threshStructure[7] = "SYSIGGCAS_ECS";
35
        895
                       threshStructure[8] = "OPERLOG";
        896
                       threshStructure[9] = "LOGREC";
        897
        898
                       threshValue = new Array();
        899
                       threshValue[0] = "80";
40
        900
                       threshValue[1] = "80";
        901
                       threshValue[2] = "80":
        902
                       threshValue[3] = "80";
        903
                       threshValue[4] = "95";
        904
                       threshValue[5] = "95":
45
        905
                       threshValue[6] = "90";
```

```
906
                  threshValue[7] = "80";
      907
                  threshValue[8] = "90";
      908
                  threshValue[9] = "90":
      909
5
      910
                  rel9 = new Array();
      911
      912
      913
      914
           </SCRIPT>
10
      915
           </WhiteSpace>
      916
           917
           918
           919
           920
15
      921
           922
           923
           <a href="http://www.ibm.com/privacy/"
  D
           class="nav" style="color: #ffffff:"><font face="Arial. sans-serif"
20 4
           size="-2" color="#ffffff"><b>Privacy</b></font></a>
  n
      924
           <img src="http://www.ibm.com/i/c.gif"</pre>
  IJ
           width="1" height="21"/>
  N
      925
           <a href="http://www.ibm.com/legal/"</pre>
  class="nav" style="color: #ffffff;"><font face="Arial, sans-serif"
25 🎵
           size="-2" color="#ffffff"><b>Legal</b></font></a>
  IJŢ
      926
           <img src="http://www.ibm.com/i/c.gif"</pre>
  £!
           width="1" height="1"/>
  927
           <a href="http://www.ibm.com/contact/"</pre>
  Ü
           class="nav" style="color: #fffffff;"><font face="Arial, sans-serif"</pre>
  Į,j
30
           \label{eq:size}  \mbox{size="-2" color="\#ffffff"><b>Contact</b></font></a>
  [ah
      928
           <img src="http://www.ibm.com/i/c.gif"</pre>
  width="1" height="1"/>
      929
           <td width="450">&nbsp:</td></tr>
      930
           35
      931
           <SCRIPT LANGUAGE="JavaScript">
      932
      933
           <!C- Keylime Software 4.1 13/07/2000
      934
           // IBM Baseline Tag
      935
           var kl_siteID = "77";
      936
40
           var kl_tagProtocol = "";
      937
           var kl_akamaipath = "a1944.g.akamai.net/f/1944/1482/8h/";
      938
           if (location.protocol == "
      939
      940
           </BODY>
45
      941
      942
           </BODY>
```

* 3 *

943 </HTML>